USPS Express Mail Post Office to Addressee Mailing Label Number ER35276.5532US

Approved for use through 07/31/2008, OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE Applicant Document No. 032-62 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) Patent Number Application 08/506.032 37 CFR 1.501 Applicant PINFORMATION DISCLOSURE CITATION Donald K. Forest IN A PATENT Issue Date Art Unit (Sheet 2674 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE IF APPROPRIATE See attached sheets FOREIGN PATENT DOCUMENTS **DOCUMENT NUMBER** DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO B See attached sheets. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) See attached sheets. R EXAMINER DATE CONSIDERED

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

During Examination

THE OTHER TO

5

10

20

25

30

In re Application of:

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

U.S. Patent Documents

| Examiner's | | Date | |
|------------|--------------|------------------|-------------------|
| Initials | Document No. | Filed | Name |
| A- | 4,109,145 | 20 May 1974 | Graf |
| | 4,149,716 | 24 January 1977 | Scudder |
| | 4,393,271 | 27 August 1980 | Fujinami et. al. |
| | 4,531,119 | 30 November 1984 | Nakayama et. al. |
| | 4,555,193 | 31 October 1983 | Stone |
| | 4,586,035 | 29 February 1984 | Baker et. al. |
| | 4,591,841 | 1 November 1983 | Gunderson et. al. |
| | 4,595,990 | 31 March 1983 | Garwin et. al. |
| | 4,651,145 | 31 May 1984 | Sutter |
| | 4,720,189 | 7 January 1986 | Heynen et. al. |
| AIL | 4,788,649 | 22 January 1985 | Shea et. al. |

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

15

20

25

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

U.S. Patent Documents

| | D'- | 4,829,576 | 21 October 1986 | Porter |
|----|-----|-----------|------------------|-----------------|
| ŀ | | 4,629,370 | 21 October 1980 | 1 Otter |
| | | 4,931,783 | 26 July 1988 | Atkinson |
| ļ_ | | 5,020,107 | 4 December 1989 | Rohani et. al. |
| | | 5,027,406 | 6 December 1988 | Roberts et. al. |
| | _ | 5,177,328 | 27 June 1991 | Ito et. al. |
| | | 5,223,828 | 19 August 1991 | McKiel, Jr. |
| | | 5,285,265 | 21 October 1991 | Choi |
| | | 5,429,513 | 10 February 1994 | Diaz-Plaza |
| | PIL | 5,844,544 | 13 June 1995 | Kahn et. al. |

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

15

20

25

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

Foreign Patent Documents

| Examiner's | | | · | Submitted |
|------------|--------------------|-------------------|--|------------------|
| Initials | Document No. | Date | Country | by |
| A.C | 0 324 306 A2 | 19 July 1989 | European Patent Application | McDonald et. al. |
| | DE U 93 00 231 | 19 August 1993 | German Patent | Hessabi |
| | GB 2,116,341A | 21 September 1983 | U.K. Patent Application | Bock |
| | GB 2,173,023 A | 1 October 1986 | U.K. Patent Application | Larsen |
| | | | U.K. Patent Office Combined Search and Examination Report in | |
| | GB 9,906,822.3 | 28 April 1999 | indicated U.K. Application | Forest |
| | JP 06-149,534 | 27 May 1994 | Japanese Patent Abstract | Akio |
| | JP 57-059,241 | 9 April 1982 | Japanese Patent Abstract | Sasaki |
| | JP 57-073,453 | 8 May 1982 | Japanese Patent Abstract | Sekoe |
| AIC | PCT/AU85/ 00324 | 3 July 1986 | PCT International Application | Downing |

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

15

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

Foreign Patent Documents

| Examiner's | | | | Submitted |
|------------|--------------|------------------|---------------------------|-----------|
| Initials | Document No. | Date | Country | by |
| | | | PCT International Search | |
| Bic | PCT/US95/ | | Report in indicated | |
| | 03591 | 28 March 1996 | International Application | Forest |
| 7. | | | PCT International | |
| RIL | WO 94/03887 | 17 February 1994 | Application | McClish |

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42 Other Documents

| Examiner' | 5 |
|-----------|--|
| Initials | Citation |
| | Barnett, C.J.; Dynche, M.P.; Golding, V.G.; Ng, Y.H.; Taylor, G.D.; "Speech Output |
| B.C | Display Terminal," IBM Technical Disclosure Bulletin, vol. 26, no. 10A, March 1984, pages 4950-4951. |
| | Becker, Joseph D., "User Friendly Design for Japanese Typing, " Xerox Office Systems |
| | Division Publication No. T8301, Xerox Corp., Palo Alto, CA, August 1983. See pages 14 & 15. |
| | Bryan, R.E.; Chang, F.C.; Hempel, B.C.; Iida, Y.; "Pre-Selection Highlighting," IBM |
| | Technical Disclosure Bulletin, vol. 32, no. 8b, January 1990, New York, NY, XP |
| | 000082441, pages 231 & 232. |
| ļ | Callahan, Jack; Hopkins, Don; Weiser, Mark; Schneiderman, Ben, "An Empirical |
| ļ | Comparison of Pie vs. Linear Menus," Computer Science Technical Report Series |
| | CS-TR-1919, College Park, MD: University of Maryland, September 1987. |
| | Callahan, Jack; Hopkins, Don; Weiser, Mark; Shneiderman, Ben; "An Empirical |
| | Comparison of Pie vs. Linear Menus," Human Factors in Computing Systems: CHI '88, |
| | Conference Proceedings, pages 95-100. Darci Too Product Description, WesTest Engineering Corp., Bountiful, UT: WesTest |
| | |
| | Engineering Corp., 1992. |
| 1 | "Discrete and continuous control using stable speech sounds", IBM Technical Disclosur |
| | Bulletin, vol. 33, no. 10a, March 1991, New York, NY, XP 000110092, page 378. |
| | Dragon Dictate, The Premier PC Dictation System, Dragon Systems, Inc., Newton, MA, |
| | 1994. See page 4. |
| BIL | Drawing Gallery, In The Graphics Gallery Release 3.0 User Manual, Hewlett-Packard Co., Boise, ID: Hewlett-Packard Co., 1988. |

20

15

| n | Golding, V.G.; Heneghan, M.J.; "Audio Response Terminal," IBM Technical Disclosure |
|-----|---|
| Pi | Bulletin, vol. 26, no. 10B, March 1984, pages 5633-5636. |
| | Goosens, Carol; Crain, Sharon Sapp, "Overview of Currently Used Eye-Gaze |
| | Communication Approaches," In Augmentative Communication Intervention Resources, |
| | 1986. |
| | Jacob, Robert J. K., "What you look at is what you get," Computer, vol. 26, no. 7, July |
| | 1993, Los Alamitos, California. Pages 65 & 66. |
| | Johnson, Frank, "Communications system for speechless quadriplegics", Design Product |
| | News, January 1994. See the entire document which consists of one page. |
| | Lazzaro, Joseph J., "Computers for the Disabled," Byte, June 1993, pages 59-64. |
| | WiViK2, Visual Keyboard for Windows 3.1 User's Guide, Prentke Romich Co., |
| | Wooster, OH: Prentke Romich Co., 1992. |
| | Yamada, Mitsuho; Fukada, Tadahiko, "Eye word processor (EWP) and peripheral |
| | controller for the ALS patient", I.E.E.E. Proceedings A Physical Science, Measurement |
| 183 | & Instrumentation, Management & Education, April 1987, Vol 134, No. 4, Part A, |
| 1 | Stevenage. |